

Fig. 1

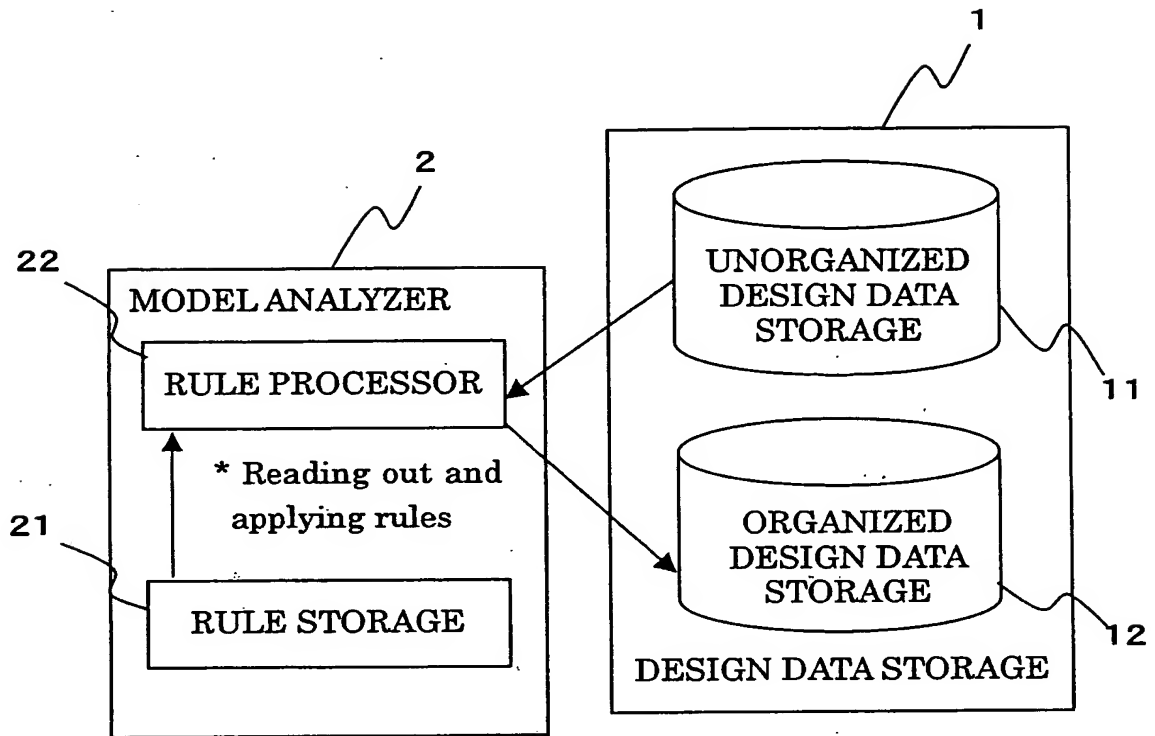


Fig. 2

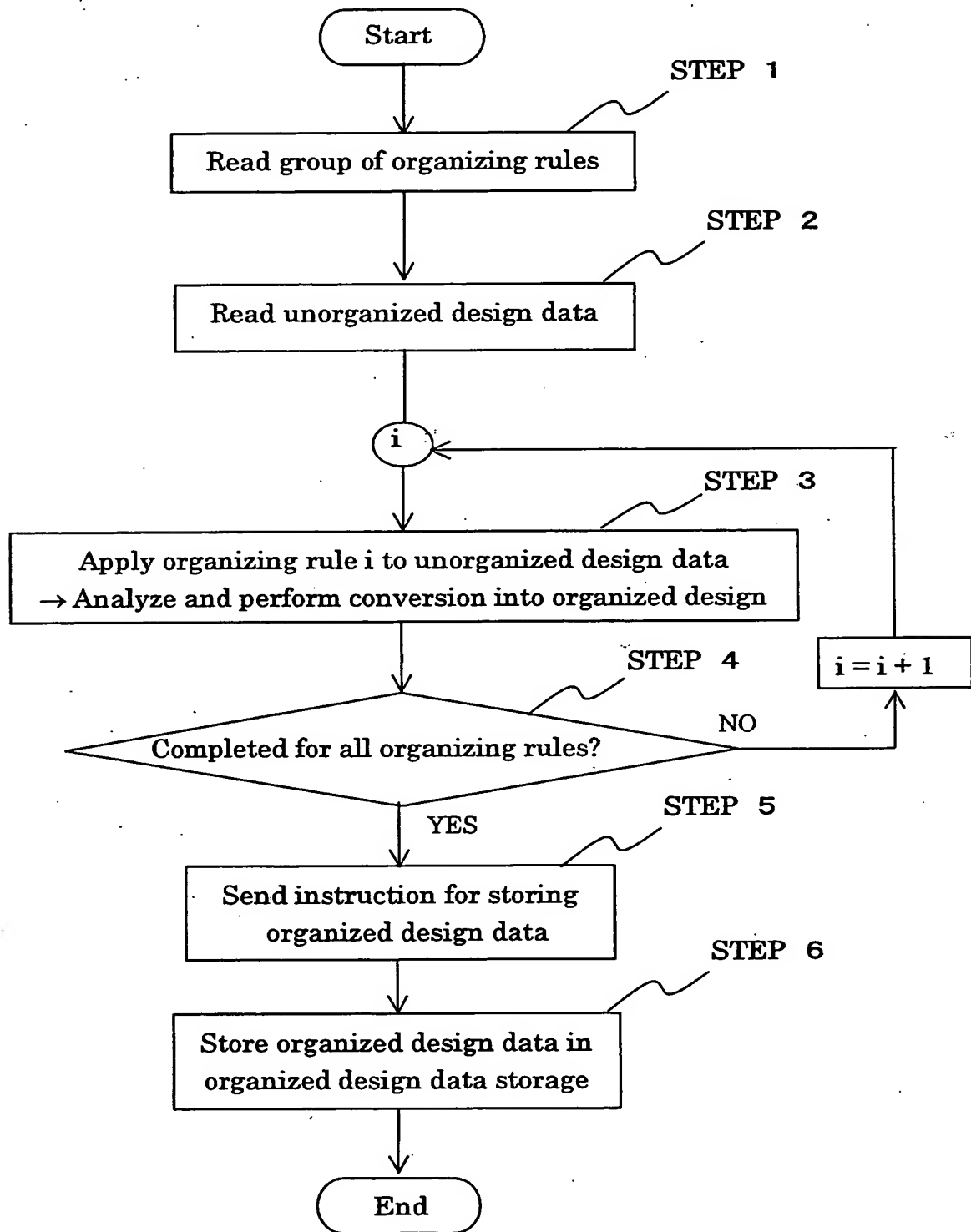
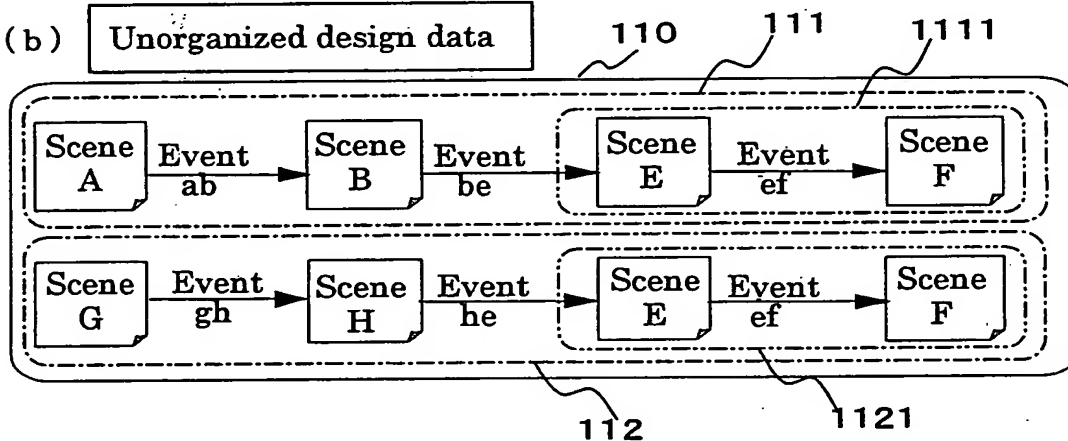


Fig. 3

(a) Organizing rule

Name	Condition	Condition values	Applied processing
Layering of duplicate definitions	Scene sequence segment including n or more elements appears m or more times	n=2 m=2	Cut out target scene sequence segment as one state and perform layering

(b) Unorganized design data



(c) Organized design data

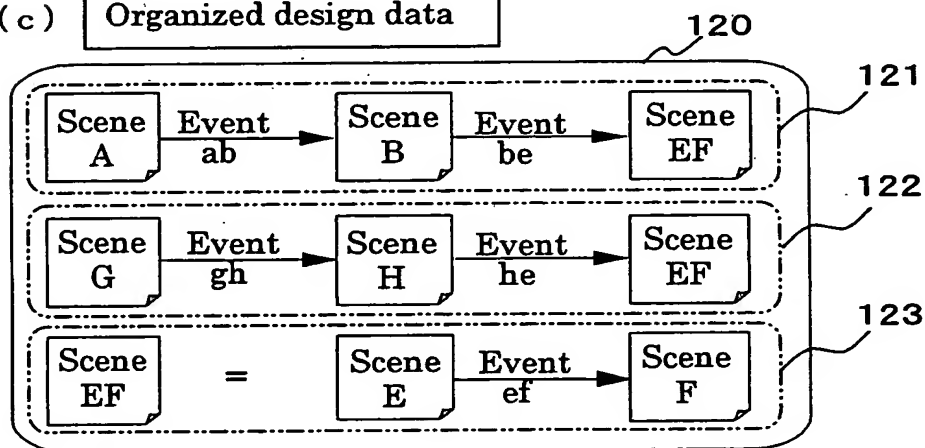


Fig. 4.

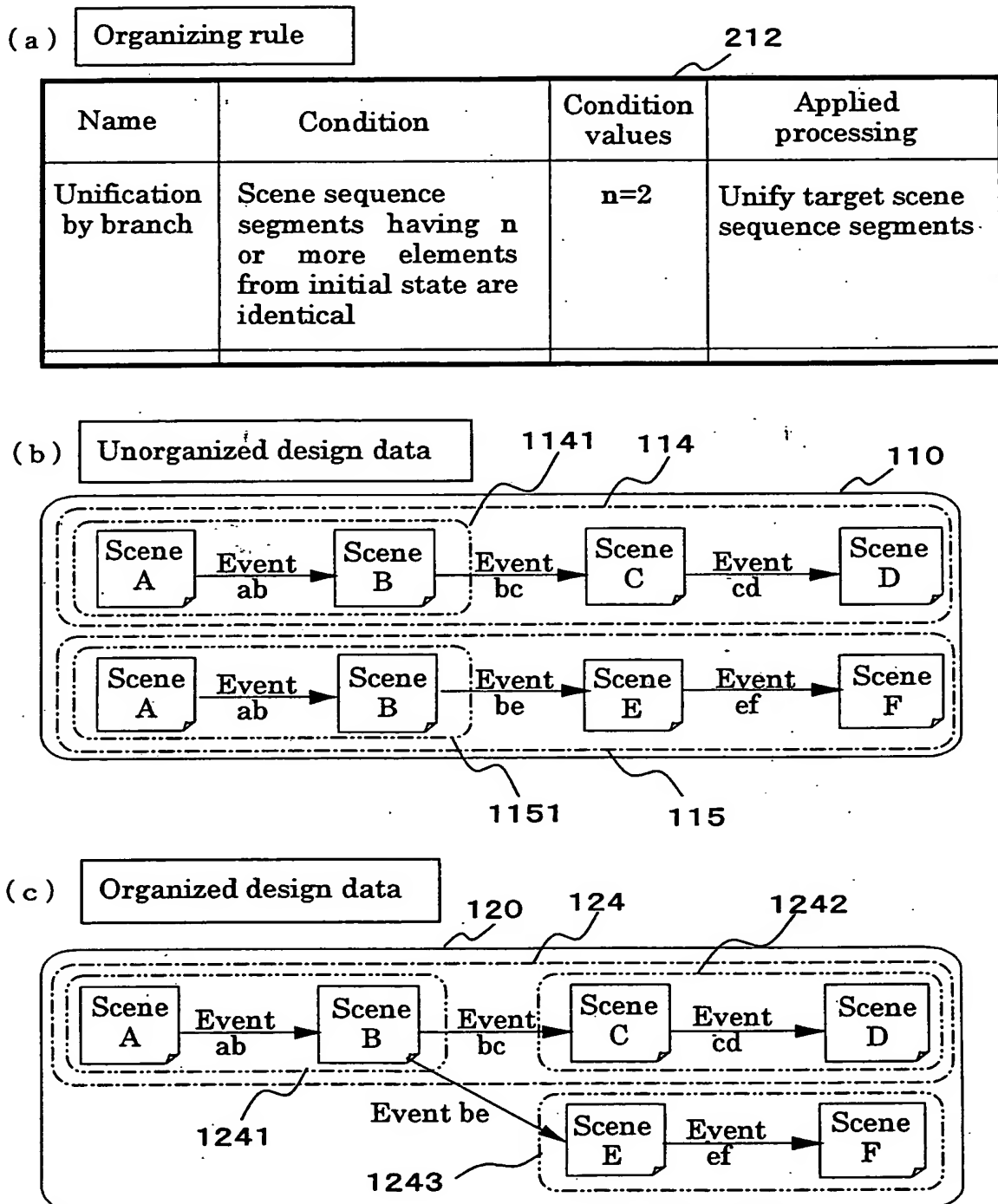


Fig. 5

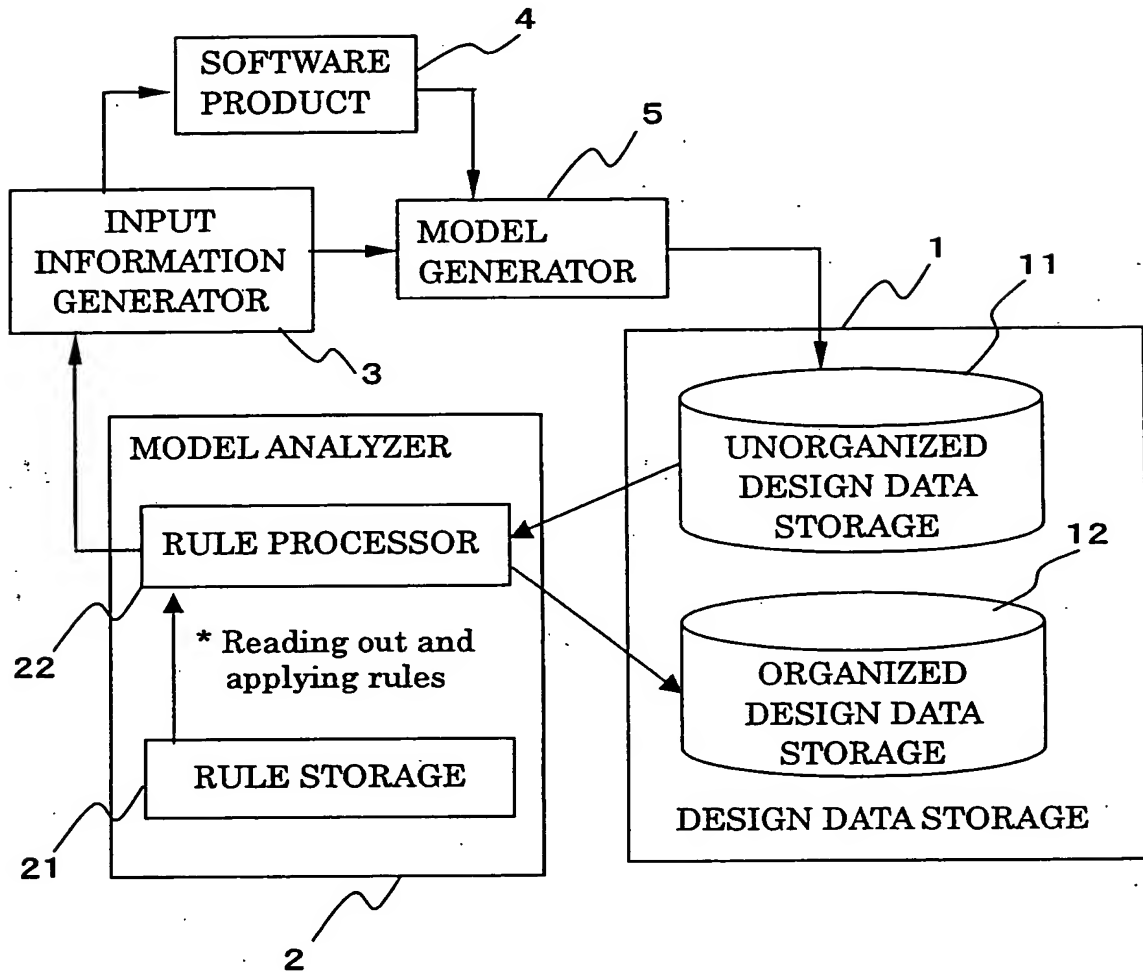


Fig. 6

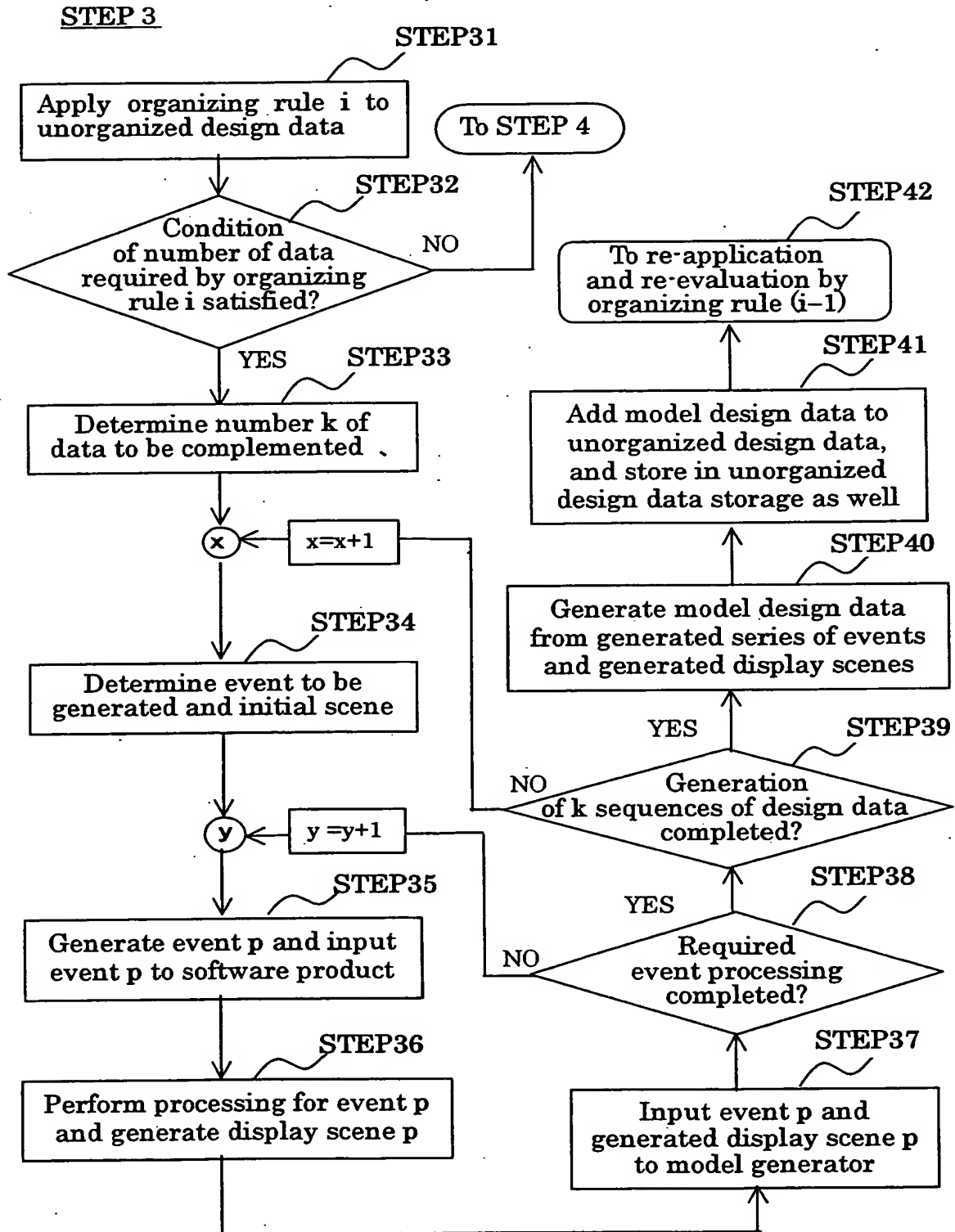


Fig. 7

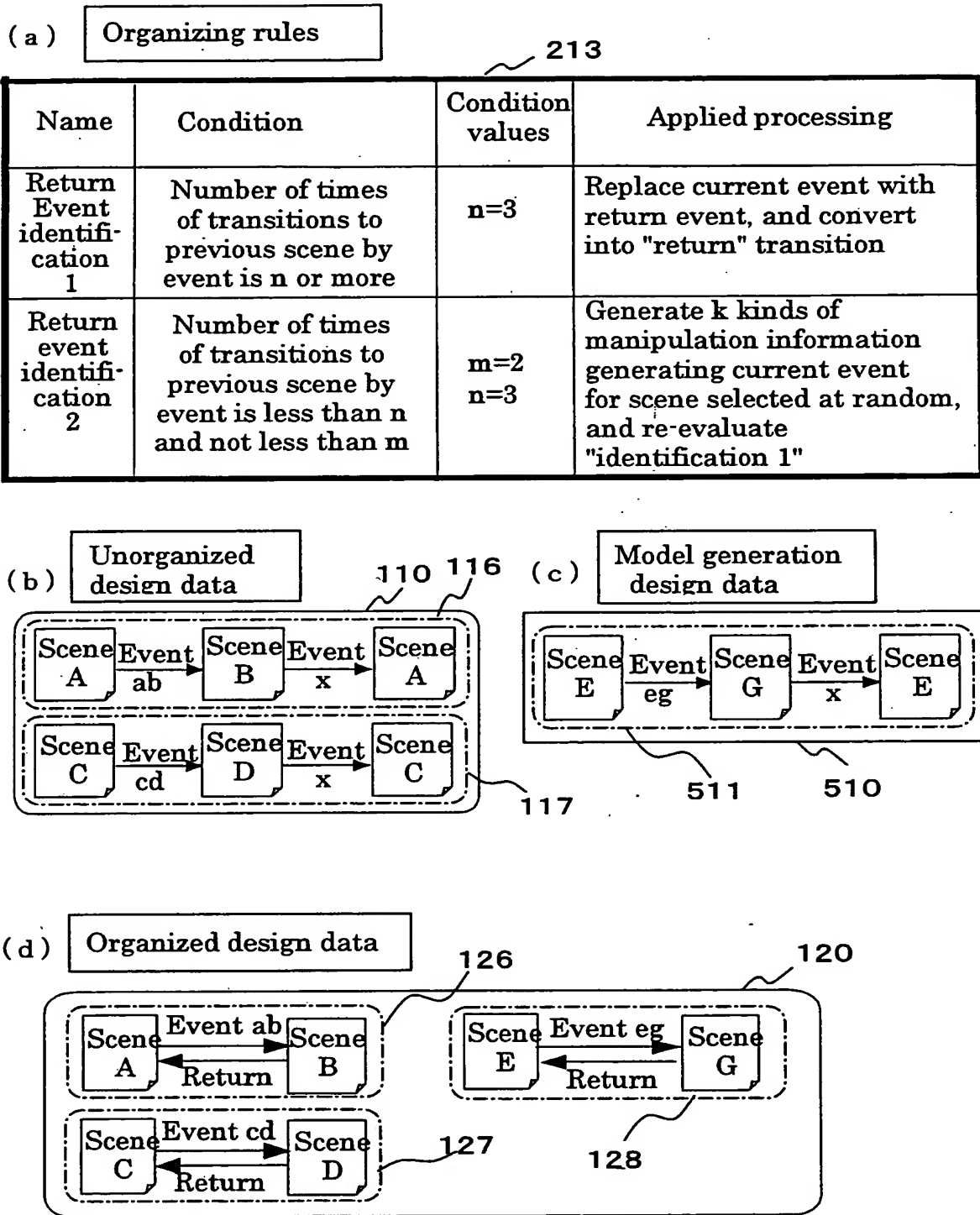


Fig. 8.

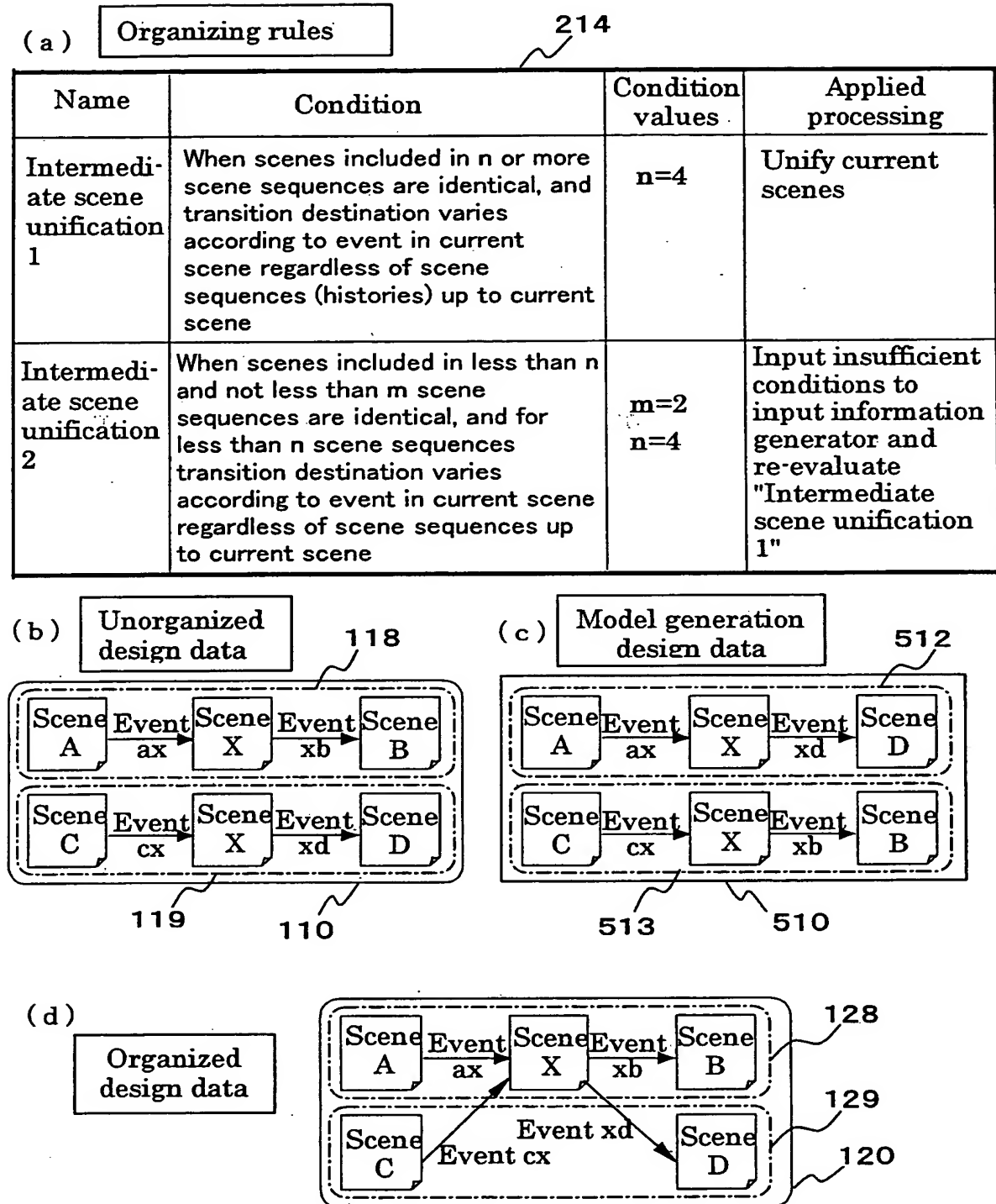




Fig. 9

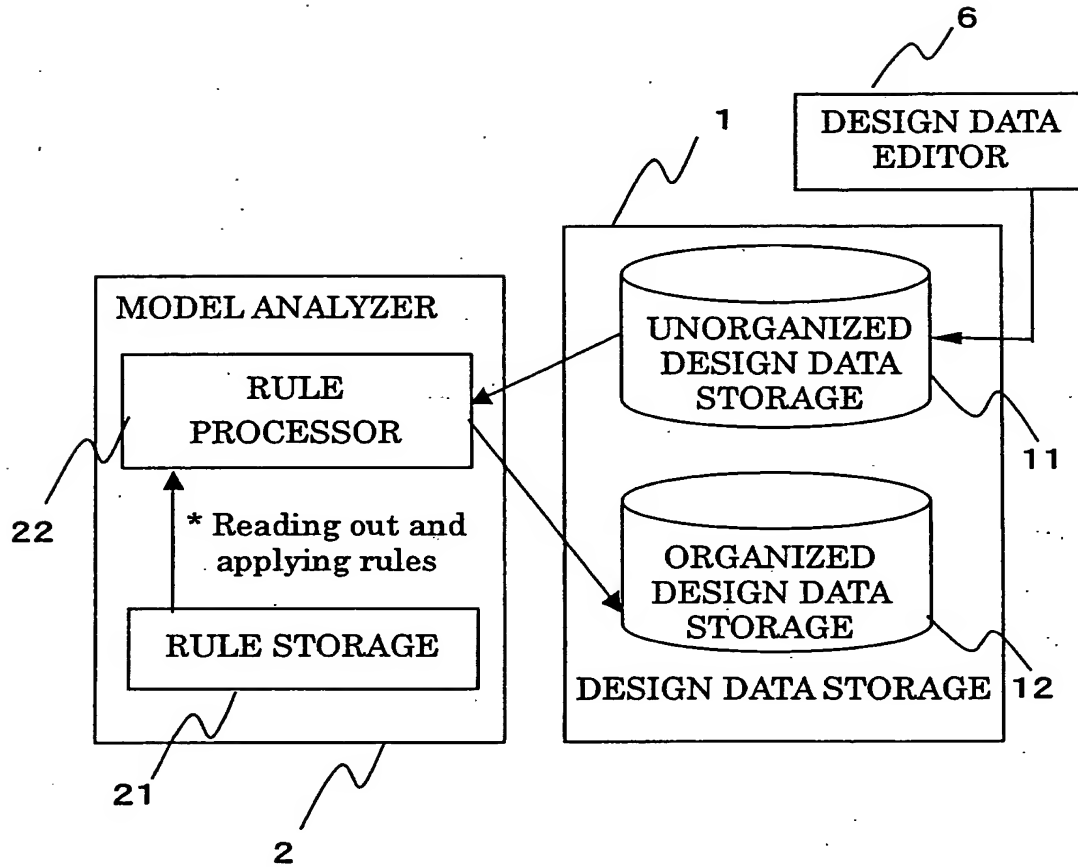


Fig. 10.

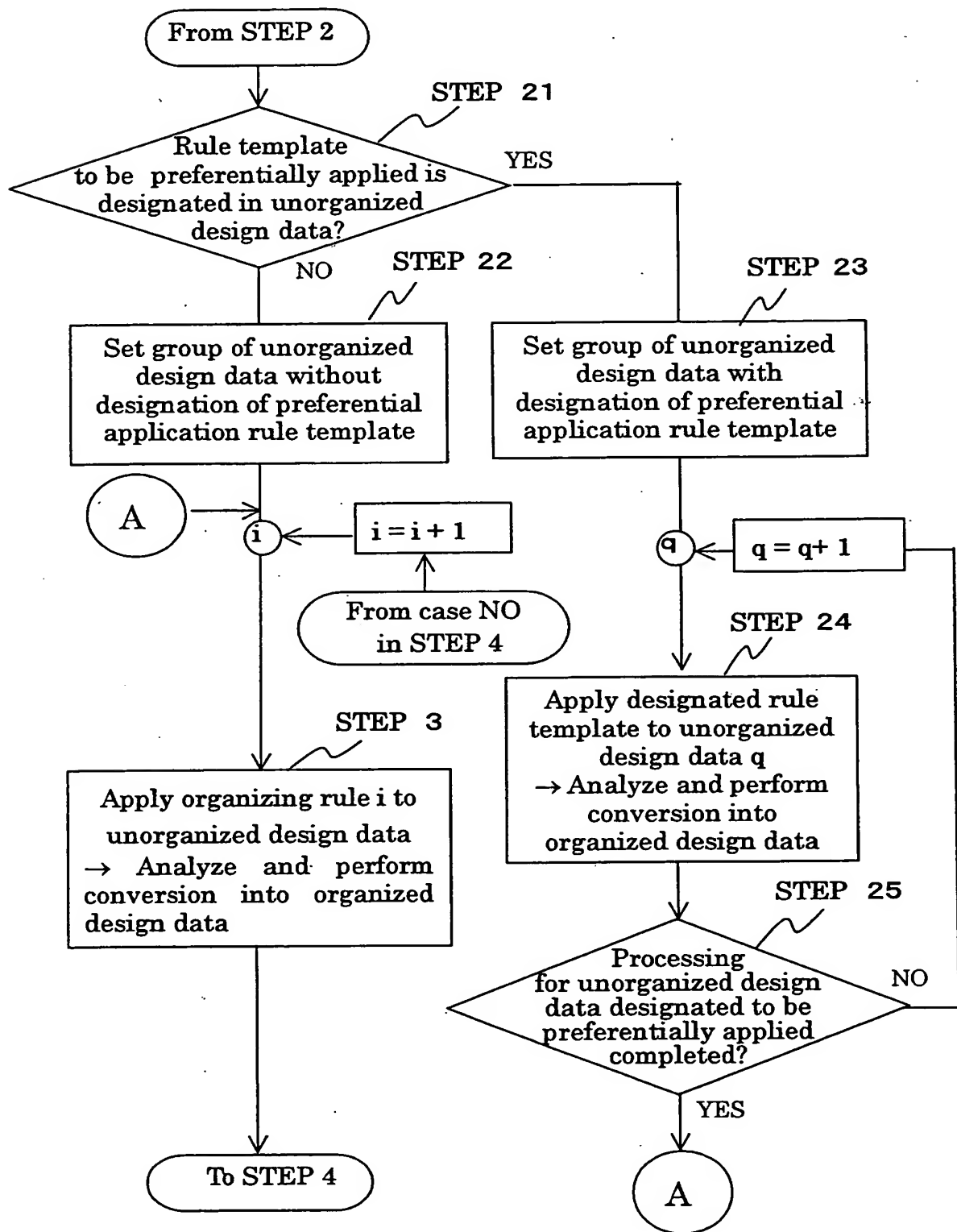


Fig. 11

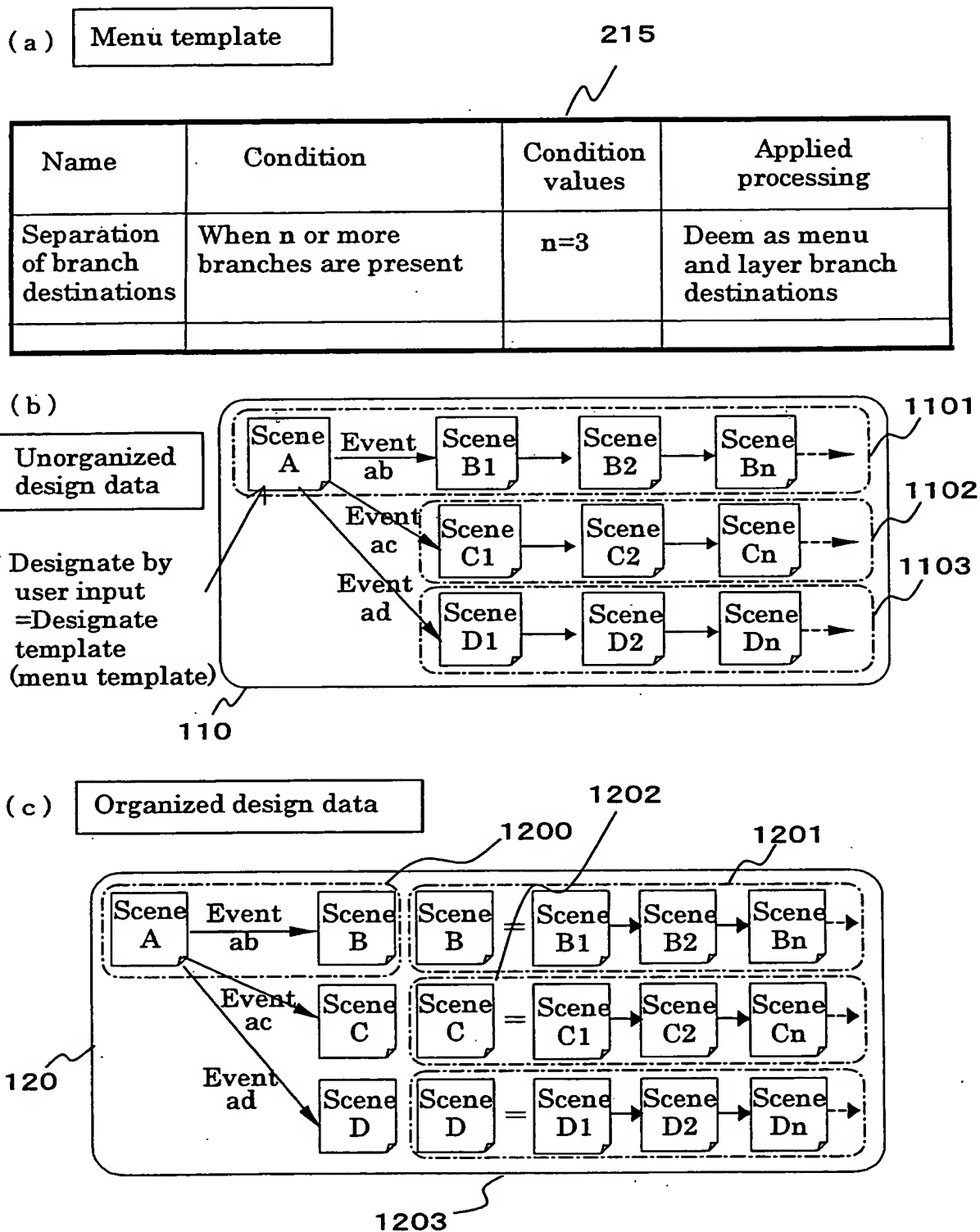


Fig. 12

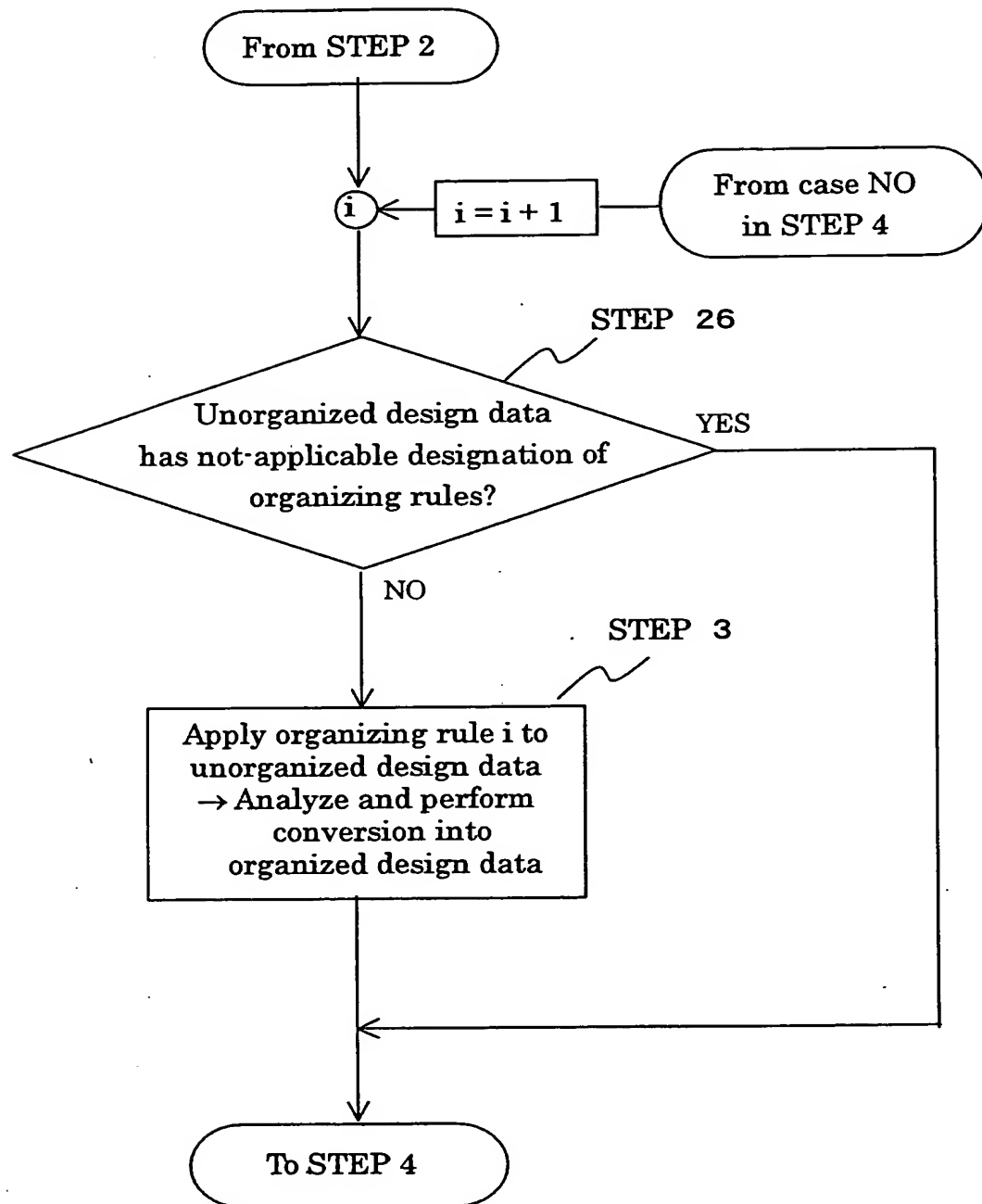
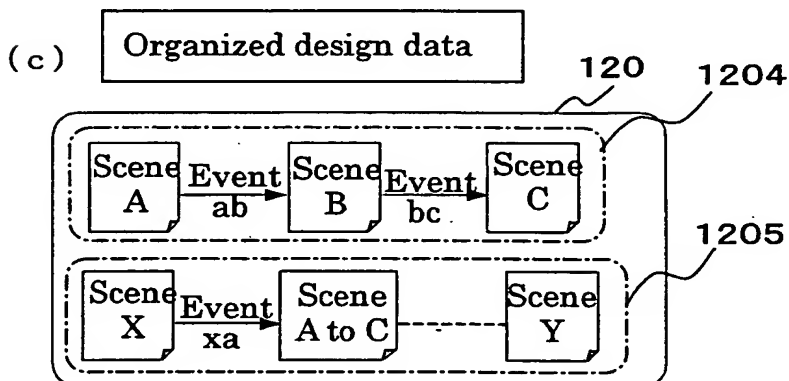
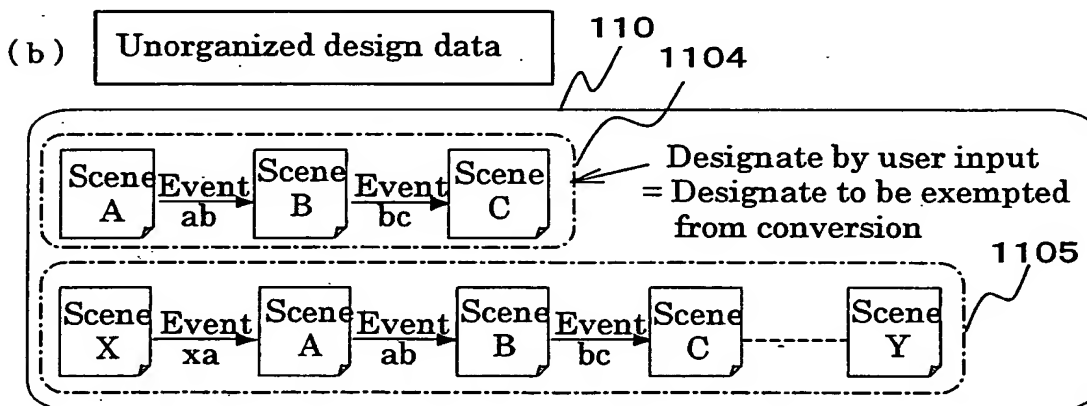


Fig. 13

(a) **Organizing rule** 216

Name	Condition	Condition values	Applied processing
Elimination of duplication	When including entire existing scene sequence		Replace by calling existing scene sequence
* * *			



```
graph TD
    7[7] --> 2[2]
    2 --> 21[21]
    21 --> 22[22]
    22 --> 3[3]
    3 --> 4[4]
    4 --> 5[5]
    5 --> 6[6]
    6 --> 11[11]
    11 --> 12[12]
    12 --> 1[1]
```

The diagram illustrates a design data processing system (1). It includes a **RULE EDITOR** (7) which feeds into a **RULE STORAGE** (21) via a **RULE PROCESSOR** (22). The **RULE PROCESSOR** (22) is part of a **MODEL ANALYZER** (22) and is responsible for **\* Reading out and applying rules**. The **MODEL ANALYZER** (22) outputs to an **INPUT INFORMATION GENERATOR** (3), which then feeds into a **MODEL GENERATOR** (5). The **MODEL GENERATOR** (5) outputs to a **SOFTWARE PRODUCT** (4) and also feeds into a **DESIGN DATA STORAGE** (11). The **DESIGN DATA STORAGE** (11) contains **UNORGANIZED DESIGN DATA STORAGE** (11) and **ORGANIZED DESIGN DATA STORAGE** (12). A **DESIGN DATA EDITOR** (6) is connected to the **DESIGN DATA STORAGE** (11) and the **MODEL GENERATOR** (5). The **DESIGN DATA EDITOR** (6) also feeds into the **MODEL GENERATOR** (5). The **MODEL GENERATOR** (5) also feeds into the **SOFTWARE PRODUCT** (4).